

AMENDMENTS TO THE SPECIFICATION

Please replace the first full paragraph on page 6 with the following amended paragraph:

“a” and “b” : a is basically set as value of $(Tm_max - Tm_min) / \text{number of } \text{total } \text{total}$ cycle. b is basically 1, but in the case that the “a” value for 1 cycle is too small to set in PCR equipment, the “a” value is adjusted by changing the “b” value (i.e. the number of cycles). For example, 0.05 °C per cycle is changed to 0.2 °C per 4 cycles.

Please replace the sixth full paragraph on page 6 with the following amended paragraph:

$$c(\text{sec}) = [(L_{\text{max}} - L_{\text{min}}) / (\text{rate of DNA synthesis velocity of taq DNA polymerase;} \\ \text{bp/sec})] / (\text{number of } \text{total cycles} - 7)$$